

STATION 47. Off the coast of North America, east of Massachusetts. May 7, 1873. Lat.  $41^{\circ} 14' 0''$  N., long.  $65^{\circ} 45' 0''$  W. Depth 1340 fathoms. Blue mud. Surface temperature  $42^{\circ} 0$  Fahr.

*Plutonaster bifrons*. Also at Station V. or off the coast of Portugal.

*Plutonaster rigidus*, var. *semiarmata*. Or at Station 46.

*Porcellanaster cæruleus*. Also at Stations 45 and 46.

*Freyella bracteata*. Also at Stations 46 and 50.

STATION 48. South-west of Halifax, Nova Scotia. May 8, 1873. Lat.  $43^{\circ} 4' 0''$  N., long.  $64^{\circ} 5' 0''$  W. Depth 51 fathoms. Rock. Surface temperature  $38^{\circ} 0$  Fahr.

*Crossaster papposus*.

*Solaster endeca*.

*Cribrella oculata*. Also at Stations 46 and 49.

STATION 49. South of Halifax, Nova Scotia. May 20, 1873. Lat.  $43^{\circ} 3' 0''$  N., long.  $63^{\circ} 39' 0''$  W. Depth 85 fathoms. Gravel, stones. Bottom temperature  $35^{\circ} 0$  Fahr.; surface temperature  $40^{\circ} 5$  Fahr.

*Pontaster hebitus*.

*Pseudarchaster intermedius*.

*Leptoptychaster arcticus*, var. *elongata*. Also at Station 46.

*Pentagonaster granularis*.

*Hippasteria plana*.

*Stichaster albulus*.

*Pteraster militaris*.

*Cribrella oculata*. Also at Stations 46 and 48.

*Asterias (Leptasterias) compta*.

STATION 50. South of Halifax, Nova Scotia. May 21, 1873. Lat.  $42^{\circ} 8' 0''$  N., long.  $63^{\circ} 39' 0''$  W. Depth 1250 fathoms. Blue mud. Bottom temperature  $38^{\circ} 0$  Fahr.; surface temperature  $45^{\circ} 0$  Fahr.

*Pararchaster armatus*. Also at Station 46, and off Portugal.

*Pontaster forcipatus*. Also at Stations 44, 45, and 46.

*Zoroaster fulgens*. Also at Stations 46 and 120.

*Asterias (Hydrasterias) ophidion*.

*Freyella bracteata*. Also at Stations 46 and 47.